



## FG-01 1-60Mhz Antenna SWR analyzer

The FG-01 Antenna SWR analyzer is designed for outdoor handheld mobile use. Portable design with SMT finished. It comes with 14500 battery holder, you can also purchase our optional 18650 battery pack. Dimension: 97mmx58mmx37mm. Weight: 240g(380g with battery)



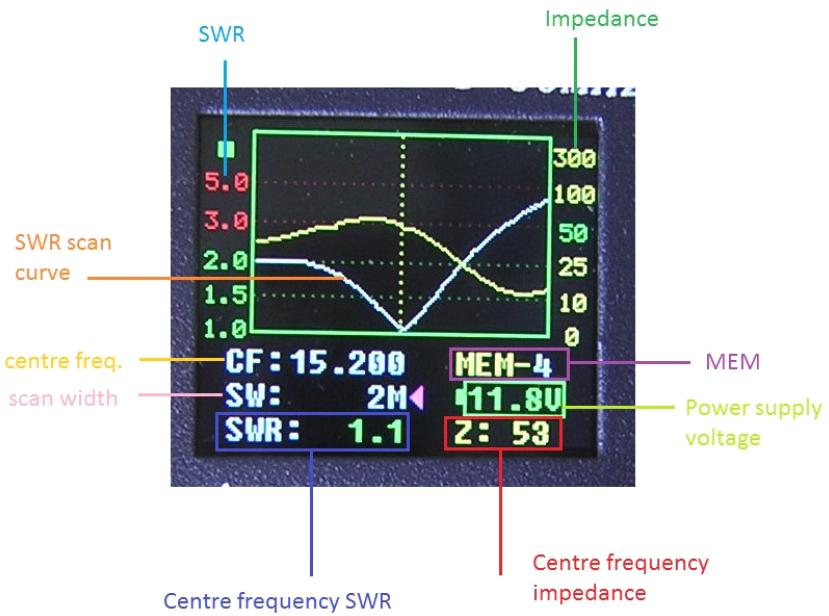
### **Power by Internal battery: (optional)**

3 x 14500 lithium battery (or 18650 battery pack) with self protection board, standard voltage 11.1V. Must use stable DC power supply with [DC7V-18V](#). Must be charged the lithium battery with special lithium charger. There's battery status icon on the right down corner of LCD display. Full time battery monitoring is available.

### **Power by out DC power supply:**

FG-01 can be powered by outer power supply (charge jack). [DCV7-18V](#), 500ma. Must use stable DC power supply. Center positive, outside negative. FG-01 has polarity protection circuit. Power supply reverse polarity will not damage it.

**Note: If powered by built-in lithium battery, the battery charge jack can only be input with a dedicated lithium battery charger, please never use any other regular external power supply into the charging jack !**



### Specification

Power consumption: about 150mA. (testing power input 12VDC)

Frequency range: 1-60MHz, 1-72MHz workable.

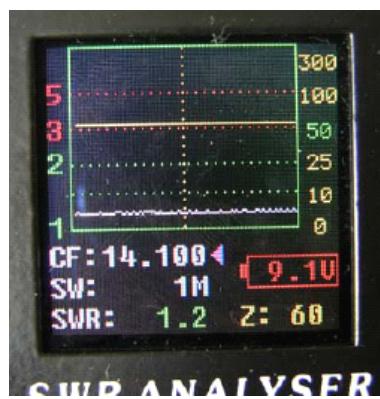
Output: 13dbm

Centre frequency step (CF): 1K, 10K, 100K, 1MHz

Scan width (SW): 10K, 20K, 50K, 100K, 200K, 500K, 1M, 2M, 5M, 10M, 20M, 50M

Operating power supply: 7-18VDC

Mem: 10, can store center frequency, step and sweep width.



Battery indicate turns red when lower than 9.5V, must charge the battery immediately! Or will damage the battery!

Operating:

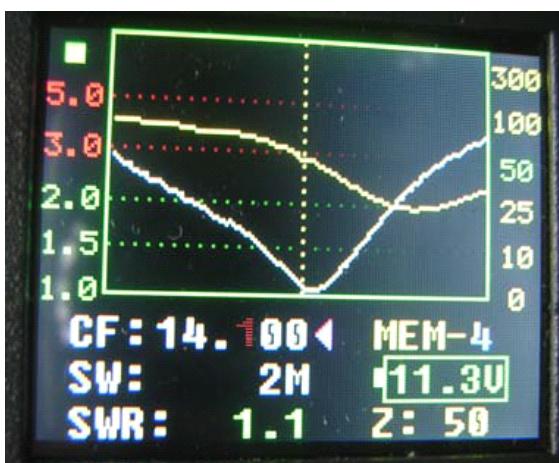
Impedance curve can be turned on or off.

Push the knob and power on, check the display and select.

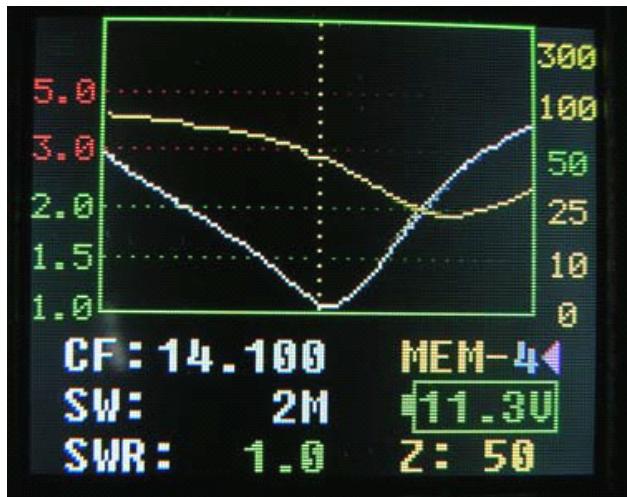


The impedance of center frequency value will be indicate on screen no matter the curve on or off.

1. Power on: factory default or last saved condition
2. Slight push knob change between "FC" and "SW" and "MEM" indicated by the purple triangle on LED screen.



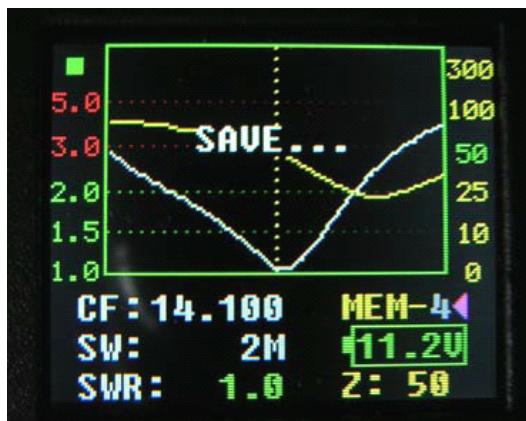
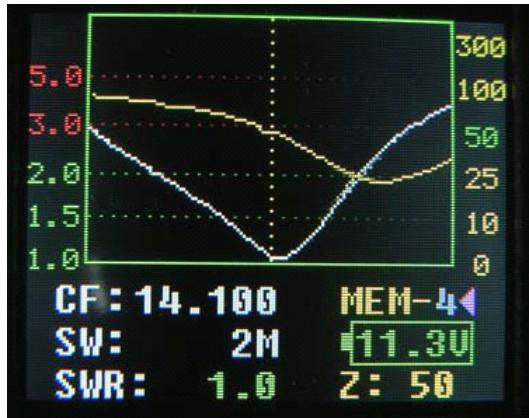
3. You can tune the knob to change the center frequency when the Green Triangle on "CF". Push the knob over 1 second can setup the step. The related number will be changed to red color, tune the knob to change the step. Light push the knob to quit, will automatic quit in 3 second.



4. You can change the scan width when tune the knob and indicate purple Triangle on "SW". Push the knob for 1 second to save. FG01 will memory current CF,SW,step in next power on.



5. Pushing knob move the purple triangle to MEM, you can fast change frequency by turning the knob between MEM-0 to MEM-9. Pushing the knob for over 1 second, you can store current frequency, step, scan width into current memory bank.



#### Calibrate

1. Input power voltage display calibrate: adjust VR1.

Remark: The power check is about very 5 second, please wait for couple second to show the correct power voltage.

2. SWR calibrate: adjust VR2

3. Impedance calibrate: adjust VR3

#### Reset:

1. Power off

2. Keep pushing the knob and power on, stay pushing knob for about 5 second, when you see "RESET" on screen, release the knob.